CORRES CONTROL OUTGOING LTR NO

DOE ORDER #

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ERRI, M.S	Y	
FULTON, J.C.		
SIACOMINI, J		
IALL, L.		
WARTINEZ, L A		
PARKER, A.M		
POWERS, K	<u> </u>	<u> </u>
SCOTT, G K		
SHELTON, D.C	<u> </u>	
SPEARS, M.S.	┞	
TRICE, K D	!	<u> </u>
TUOR, N R	ļ	
VOORHEIS, G M	_	
		
Chandler, G	X.	
Dahlgren, S	Y	
Oruckman, H	Y	
lopkins, T	X_	
Johnson, M	X.	
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September 26, 2001

01-RF-02281

Steven H Gunderson Rocky Flats Building 707/776/777 Closure Project Rocky Flats Cleanup Agreement Coordinator Colorado Department of Public health and Environment 4300 Cherry Creek Drive South Denver, CO 80222-1530

Gary Schuetz **Facility Closure** DOE, RFFO

PRE-DEMOLITION SURVEY REPORT FOR 776/777 COOLING TOWER DECOMMISSIONING **CHARACTERIZATION REPORT - MSF-059-01**

Thank you for your participation in the consultative process and prompt review of the Pre-Demolition Survey Report for the pending Building 776/777 cooling tower decommissioning Attached please find three additions to the characterization report, as requested by Mr Edd Kray of CDPHE These additions clarify our conclusions that there are no DOE - added radiological materials to the cooling tower complex

We will soon be finishing a characterization report for the Building 707 cooling tower that is even more concise

If you have any questions or concerns, please call Ted Hopkins at 303-966-7652 or Richard Lesser at 303-966-2298

Sincerely,

Mark Ferri

Vice President and Project Manager Building 707/776/777 Closure Project

Kaiser-Hill Company, LLC

Enclosures (3)

IN REPLY TO RFP CC

ACTION ITEM STATUS

NO

RL plh

Ed Kray - CDPHE

☐ PARTIAL/OPEN

CLOSED

LTR APPROVALS

ORIG & TYPIST INITIALS

RL cms

Kaiser Hill Company, LLC

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIMCATION OFFICE

Rocky Flats Environmental Technology Site, 10808 Hwy 93 Unit B, Golden CO 80403-8200 ◆ 303-966-7000

B776-A-000079



ADMIN RECORD

Survey Unit 776005 Buildings 703/713A/781 Total Surface Contamination Results

		Total Surface Activity	vity Survey				Quality	Quality Control Survey	Survey	
Meter Model		NE Electra w/ DP6 Probe	Probe		Local Area Blogd (cpm)	NE EI	NE Electra w/ DP6 Probe		Local Area Bkgd (cpm)	Bkgd (cpm)
Instrument #-	1418	4064	3172	1264	7.3	4060	NA	N/A	3	37
Cal Due Date	11/15/01	9/13/01	7/26/01	12/4/01		11/17/01	N/A	NA		
Efficiency (c/d)	0.208	0.221	0.213	0.224		0.220	N/A	N/A		
		Total Surface Activ	ctivity Measurements	ements			Quality Co	ntrol Mea	Quality Control Measurements	
Sample Location Number	Instrument 8	Date	(cpm)	MDA (dpm/100 cm²)	(dpm/100 cm²)	Instrument #	Dete	(cpm)	MDA (dpm/100 cm²)	(dpm/100 cm²)
-	1418	06/05/01	10.7	58	16.5					
2	1418	08/05/01	10.7	58	16.5					
3	1418	08/05/01	8.7	58	16.5					
4	1418	06/05/01	93	58	69					
5	1418	06/05/01	113	58	9.7					
8	1418	06/05/01	107	58	19.4					
7	1264	06/10/01	47	58	16.5					
8	1264	06/10/01	33	58	-12.4					
6	4060	06/13/01	Note 1	Note 1	Note 1					
10	4064	06/06/01	29 5 Note 2	Note 2	Note 2					
11	1418	06/05/01	253	58	86.7	4080	06/12/01	13.3	15	43.9
12	1418	06/05/01	12.3	58	24.2					
13	3172	06/06/01	12.7	58	26.1	4060	06/12/01	9.2	41	25.2
14	1418	06/05/01	140	58	32.3					
15	4080	06/13/01	133	58	29 0					
				MIN	12.4					
				MAX	86.7					
				MEAN	22.1					
				SD	22.5					
				Transuranic DCGL _w	100					

Note 1 An elevated reading of 60 7 cpm was present at this survey measurement location. An investigation was performed, and a coupon sample was obtained. The activity was verified by alpha spec analysis to be Po-210 vs transuranto activity.

Note 2 - An investigation was performed, and eight additional readings were obtained to verify the 1rif average was less than 100 dpm/100 cm? The average value of the nine measurements was 29 5 cpm and 106 9 dpm/100 cm? A media sample was obtained at this location and an isotopic analysis was performed. The total transuranic alpha activity was 21 5 dpm/100 cm? and the total uranium activity was 458 9 dpm/100 cm?

Survey Unit 776002 Buildings 702/710/712A Data Summary

I otal Surface Act	Activity Mea	ivity Measurements	Remova	ble Activity I	Removable Activity Measurements	တ
	15	5		ļ		
				ç	15	
	Number Required Number Obtained	Number Obtained		Number Required	Number Required Number Obtained	
Z	-105	dnm/400 cm²				
MAX		april 100 cm	Z	-15	dpm/100 cm ²	
MAX	74.1	dpm/100 cm ²	MAX	13,6	dpm/100 cm ²	
MEAN	186	dpm/100 cm ²	MEAN	T	400 - 2	
STD DEV	25.4	dpm/100 cm ²	STD DEV	T		
			מים מים	44	dpm/100 cm ²	
TRANSURANIC			1			
DCG[Ş	dnm/100 cm ²	TRANSURANIC			
A	8		DCGL	50	dpm/100 cm ²	
Note These statistics do not include the elevated reading of 57 3	o not include the elev	ated reading of 57 3				
com detailed in note 1 for TSA results on the following page	for TSA results on the	following page				

3

Survey Unit 776005 Data Summary

Total Surface Activity Measurements	Remova	Removable Activity Measurements	nents
15 15 15 Number Required Number Obtained		15 15 Number Required Number Obtained	Pe
MAX (Note) 86.7 dpm/100 cm² MEAN 22.1 dpm/100 cm² STD DEV 22.5 dpm/100 cm²	MIN MAX MEAN STD DEV]
TRANSURANIC DCGL _w Note These statistics do not include the elevated reading of 60 7 Cpm detailed in note 1 for TSA results on the following page	TRANSURANIC DCGL _W	20 dpm/100 cm ²	
Media Sa	Media Sample Activity		
Media Samples 1 (Note) Number Required	1 (Note) Number Obtained		
Total Uranıum Results	Ħ	Total Transuranic Results	
MIN 458 9 dpm/100 cm ² MAX 458 9 dpm/100 cm ² MEAN 458.9 dpm/100 cm ²	MIN MEAN	215 dpm/100 cm ² 215 dpm/100 cm ² 21.5 dpm/100 cm ²	
DCGL _w 5000 dpm/100 cm²	DCGLw	100 dpm/100 cm ²	
Note [.] One media sample was taken to investigate an elevated reading on the north wall on the exterior of B713A	elevated reading on th	e north wall on the exterior of E	713 A

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